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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/810,577	03/29/2004	Efraim Atad	27382	9507
7590 Martin D. Moynihan PRTSI, Inc. P.O. Box 16446 Arlington, VA 22215		10/15/2007	EXAMINER RAY, AMIT K	
			ART UNIT 2623	PAPER NUMBER
			MAIL DATE 10/15/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/810,577	Applicant(s) ATAD ET AL.	
	Examiner Amit K. Ray	Art Unit 2623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

- 1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action**

A person shall be entitled to a patent unless –

(e) the invention was described in-

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent; or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for the purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English.

- 2. Claims 1-5, 8, 12-16 and 19 are rejected under 35 U.S.C. 102(e) as being anticipated by Reisman, US Pub 20040031058.**

Re. Claim 1, Reisman discloses a TV broadcasting system comprising: an outward broadcast link to supply a multi-channel video signal to reach each of a plurality of user ([0049]) receiver installations (Fig. 1, showing content/connectivity 110, which includes satellite, directly connected to the set-top box)) and a return link from each of said plurality of users, said return channel being provided over a terrestrial channel via a terrestrial network comprising a plurality of nodes, said nodes being provided by at least some of said plurality of user installations ([0049], showing multiple users for plurality of

nodes; Fig.1, showing Home Network/LAN 128, Wireless Network 126, Internet as return link for users to communicate with the broadcaster; Section [0098], lines 17-29).

Re. Claim 2, the system of claim 1, wherein said outward broadcast link is a satellite link (Fig.1 showing satellite connection to set-top box).

Re. Claim 3, the system of claim 1, wherein said outward broadcast link is a terrestrial link (Fig. 1, home network LAN 128, wireless network 126, and Internet 124 form the terrestrial network).

Re. Claim 4, the system of claim 1, wherein said terrestrial network further supports a second forward link to each of said plurality of user receiver installations (Home Network LAN and Wireless Network 126 provide networking)

Re. Claim 5, the system of claim 1, wherein said terrestrial network is a wide area network (WAN) operative substantially in accordance with IEEE standard 802.16 or IEEE standard 802.20 ({0085], lines 18-20)

Re. Claim 8, the system of claim 1, comprising a plurality of terrestrial networks (Fig.1, Home Network/LAN 128, Wireless Network 126, Internet 124).

Re Claims 12-16 and 19 are method claims corresponding to system claims 1-5 and 8 respectively. Thus, they have been analyzed and rejected with respect to claims 1-5 and 8.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 6, 7, 9-11, 12, 18, 20-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reisman in view of Kalika et al, US 20070054670.

Re Claim 6, the system of claim 1, wherein at least some of said nodes comprise support for a communications hotspot, Reisman teaches the system of Claim 1.

Reisman does not teach of nodes comprising support for a communications hotspot.

In an analogous art, Kalika teaches of nodes comprising support for a communications hotspot ([0092], lines 1-6).

Therefore, it would have been obvious to one with ordinary skill in the art to modify Reisman to include hotspot, as taught by kalika, for the benefit of user knowing the areas of hotspot where user LAN and WAN would be active.

Re. Claim 7, the system of claim 6, Reisman teaches the system of claim 6 wherein said communications hotspot is substantially in accordance with IEEE Standard 802.11 ([0255], lines 11-17).

Re. Claim 9, the system of claim 1, wherein said terrestrial network comprises a central base station for broadcasting to other nodes thereof using a mesh algorithm, Reisman teaches the system of Claim 1,

Reisman does not teach central base station for broadcasting to other nodes thereof using a mesh algorithm.

In an analogous art, Kalika teaches a central base station for broadcasting to other nodes thereof using a mesh algorithm ([0115], lines 1-18)

Re. Claim 10, the system of claim 9, Reisman teaches IP core infrastructure to transmit data between a head end unit and said central base station (Fig. 1, showing cable connection via Internet/Home Network or via Internet/Wireless Network/Home Network to Set-top Box; [0483], lines 1-20, disclosing transmission path from head end to wide area networks via Internet)

Re. Claim 11, the system of claim 1, comprising a head end unit to direct TV channel content over said outward broadcast link and to manage interactive services for respective users using data received from respective users over said return link is rejected on the same grounds as Claim 10.


Art Unit: 2623

Re Claims 17, 18 and 20-22 are method claims corresponding to system Claims 6, 7, and 9-11. Thus, they have been analyzed and rejected with respect to Claims 6, 7, and 9-11.

CONTACT

5. Any enquiry concerning this communication from the examiner should be directed to Amit Ray whose telephone number is 571-272-6939. The examiner can normally be reached on Monday-Friday, alternate Friday off, 7:30 AM –5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Grant can be reached on 571-272-7294. The fax phone number for the organization where the application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Statute information for published applications may be obtained from either PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on accessing the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


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